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**COMBINED DECLARATION AND POWER OF ATTORNEY**

(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT, SUPPLEMENTAL, DIVISIONAL,  
CONTINUATION, OR C-I-P)

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As a below named inventor, I hereby declare that:

**TYPE OF DECLARATION**

This declaration is for an original application.

**INVENTORSHIP IDENTIFICATION**

My residence, post office address and citizenship are as stated below, next to my name. I believe that I am an original, first and joint inventor of the subject matter that is claimed, and for which a patent is sought on the invention entitled:

**TITLE OF INVENTION**

APPARATUS FOR GAS FILTER CORRELATION RADIOMETRY AND METHODS  
FOR 2-DIMENSIONAL AND 3-DIMENSIONAL ATMOSPHERIC SOUNDING

**SPECIFICATION IDENTIFICATION**

The specification is attached hereto.

**ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information, which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56, and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent.

## POWER OF ATTORNEY

I hereby appoint the practitioners associated with the Customer Number below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

**Customer No. 28286**

I hereby appoint the practitioner(s) associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

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SEND CORRESPONDENCE TO

**Customer No. 28286**

DIRECT TELEPHONE CALLS TO:

David J. Lee  
(303) 546-1300

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## DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURES

Mark William Smith

Inventor's signature

*Mark W. Smith*

Date 27 July 2001

Country of Citizenship : United States

Residence : 13709 Pruitt Drive, NE

Albuquerque, NM 87112 *ams*

\_\_\_\_\_

Boris Vyacheslavovich Khattatov

Inventor's signature

Date \_\_\_\_\_

Country of Citizenship: Russia

Residence: 3291 Cripple Creek Trail  
Boulder, CO 80305

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**Customer No. 28286**

SEND CORRESPONDENCE TO

DIRECT TELEPHONE CALLS TO:

## DECLARATION

(Declaration and Power of Attorney—page 2 of 3)

**SIGNATURES**

Mark William Smith

**Inventor's signature** \_\_\_\_\_

**Date** \_\_\_\_\_

**Country of Citizenship** : United States

**Residence** : 13709 Pruitt Drive, NE  
Albuquerque, NM 87113

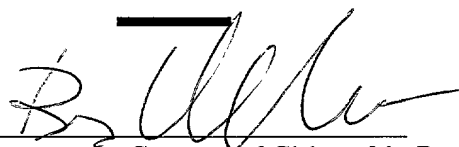
Boris Vyacheslavovich Khattatov

**Inventor's signature** \_\_\_\_\_

**Date** 7/27/01

**Country of Citizenship**:Russia

**Residence**: 3291 Cripple Creek Trail  
Boulder, CO 80305



101030-52202660